CLAIMS

WHAT IS CLAIMED IS:

1. A valve for discharging liquid from a container having a wall defining thereon
an outlet, comprising:
a valve body having a top surface, a bottom surface and a side surface, the valve
body defining a passageway therein and attachable to the container so as to
form a sealing contact around the outlet;
a stopper movable between an open and closed positions, the stopper preventing
fluid flow through the passage way when the stopper is in the closed
position, and permitting fluid flow through the passageway when the
stopper is in the open position, the passageway being in fluid
communication with the outlet when the valve body is attached to the
container, and the stopper is in the open position; and
an elastic rib integrally formed with the valve body and the stopper, the elastic rib
having an adequate length to maintain the stopper in the first position

2. The valve of claim 1, wherein the elastic rib is in a stretched state when the stopper is in the closed position, and the elastic rib being stretched further when the stopper is in the open position than when the stopper is in the closed position.

absent external forces.

- 3. The valve of claim 1, wherein the valve body is substantially cylindrical and the passageway is disposed substantially along the longitudinal axis of the valve body.
- 4. The valve of claim 3, wherein the elastic rib defines a first end integrally formed with the bottom surface of the valve body and a second end integrally formed with the stopper, and wherein the elastic rib extends through the passageway.

•	5. The valve of claim 5, further comprising an elastic stem interconnecting the
2	elastic rib and the stopper.
3	6. A valve for discharging liquid from a container having a wall defining thereon
4	an outlet, comprising:
5	a valve body having a top surface, a bottom surface and a side surface, the valve
6	body defining a passageway therein and attachabe to the container so as to
7	form a sealing contact around the outlet, the passageway being in fluid
8	communication with the outlet when the valve body is attached to the
9	container;
10	a flexible barrier having a thickness and integrally formed with the valve body, the
11	barrier interrupting the passageway and defining a slit through the
12	thickness, the barrier being sufficiently resilient to prevent the liquid flow
13	through the slit from the container under the weight of the water inside the
14	container.
15	7. The valve of claim 6, wherein the slit comprises a plurality of slits.
16	8. The valve of claim 6, wherein the slit is generally H-shaped.
17	9. The valve of claim 6, wherein the slit is generally C-shaped.
18	10. The valve of claim 6, wherein the slit is generally T-shaped.
19	11. A humidifier water bottle assembly including a valve for discharging liquid
20	therefrom, comprising:
21	a flexible member defining a base and a generally cylindrical sidewall extending
22	from the base, the sidewall having an outer surface.

I

cap;



a container defining an outlet having generally cylindri	E-213U
member removably received within the collar s	
the flexible member sidewall seals against the o	collar when the base is in a
first undeformed position;	
the sidewall defining at least one opening therethrough	n, wherein when the base is
deformed from the first position, the sidewall is	s pulled away from the collar
so as to allow fluid flow through the opening.	
12. A humidifier water bottle assembly including a val-	ve for discharging liquid
therefrom, comprising:	
a container defining a fluid outlet; and	
a flexible member having first and second ends, the first	at end being attached to the
container;	
the second end defining a stopper, extending through t	he outlet in a sealing
relationship, the stopper being positioned to be	displaced from the outlet
when the container is received in a humidifier n	nechanism.
13. The water bottle assembly of claim 12, wherein the	bottle defines a second
opening therethrough, and wherein the flexible member first er	nd defines a bulb extending
therefrom received in the second opening so as to seal the second	ond opening and attach the
flexible member to the container.	
14. A valve for discharging liquid from a container have	ing a wall defining thereon
an outlet, comprising:	
a cap removably attachable to the container so as to for	m a sealing relationship
with the outlet, the cap defining a passageway therein; and	
a flexible member having first and second ends, the first	end being attached to the

1

2

3

5

7

E-2.
the second end defining a stopper extending through the passageway in a sealing
relationship, the stopper being positioned to be displaced from the
passageway when the container is received in a humidifier mechanism.

15. The valve of claim 14, wherein the cap defines a second opening therethrough, and wherein the flexible member first end defines a bulb extending therefrom received in the second opening so as to seal the second opening and attach the flexible member to the cap.